

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 7

Topic :- Biological classification

- Which of the following environmental conditions are essential for optimum growth of *Mucor* on a piece of bread?
I. Temperature of about 25°C
II. Temperature of about 5°C
III. Relative humidity of about 5%
IV. Relative humidity of about 95%
V. A shady place
VI. A brightly illuminated place
a) I, III and V b) I, IV and V c) II, IV and V d) II, III and VI
- Which one is the free-living, anaerobic nitrogen-fixer?
a) *Beijernickia* b) *Rhodospirillum* c) *Rhizobium* d) *Azotobacter*
- Edible part of mushroom is
a) Basidiocarp b) Primary mycelium
c) Fungal hyphae d) Basidiospores
- Which of the following is a symbiotic nitrogen fixer?
a) *Glomus* b) *Azotobacter* c) *Frankia* d) *Azolla*
- Viruses contain
a) Only RNA b) Only DNA c) Either DNA or RNA d) Neither DNA nor RNA
- In the five kingdom classification, *Chlamydomonas* and *Chlorella* are included in
a) Plantae b) Algae c) Protista d) Monera
- The accumulated food reserve in fungi is
a) Protein b) Starch c) Glycogen d) Fat

8. Yeast is not included in protozoans but in fungi because
- It has no chlorophyll
 - Some fungal hyphae grow in such a way that they give the appearance of pseudomycelium
 - It has eukaryotic organisation
 - Cell wall is made up of cellulose and reserve food material as starch
9. The genetic material of AIDS virus is
- Double stranded DNA
 - Double stranded RNA
 - Single stranded RNA
 - Single stranded DNA
10. The benefit of algae in lichen is
- Food for fungi
 - Mineral absorption
 - Shelter
 - Protection
11. Which of the following groups belongs to protozoans?
- Amoeboid, flagellates, ciliates, sporozoans
 - Diatoms, amoeboid, ciliates, sporozoans
 - Desmids, ciliates, flagellates, amoeboid
 - Dinoflagellates, ciliates, *Plasmodium*, amoeboid
12. A virus differs from a bacterium as it contains
- A cell wall
 - DNA as genetic material
 - Cytosol
 - DNA or RNA as genetic material with no ribosomes
13. Viral genome incorporated into host DNA is called
- Prophase
 - Prophage
 - Bacteriophage
 - None of these
14. Maximum number of antibiotics are obtained from
- Fungi
 - Bacteria
 - Virus
 - Plants
15. Animals reserve food material in the form of
- Glycogen or animal fat
 - Glucose
 - Cellulose
 - Chitin
16. Which of the following protects the bacteria from the enzymes present in the external medium?
- Slime layer
 - S-layer
 - Flagella
 - Cell wall
17. Concerning general characteristic of plants, which statement is correct
- Some of these may be partially heterotrophic as in case of insectivorous plants like Venus fly trap
 - They have distinct nucleus, chloroplast and chitinous cell wall
- Only I
 - Only II
 - I and II
 - None of these

18. The smallest free-living organism is
a) Virus b) Mycoplasma c) Diatom d) Cyanobacterium
19. The symbiotic relationship between fungi and algae is called
a) Lichen b) Mycorrhiza c) Helotism d) Mutualism
20. A term 'helotism' is used for the symbiosis of
a) Algae and fungi b) Algae and *Cycas* c) Algae and bacteria d) *Pinus* and fungi

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